

Approved For Release 2002/06/13 : CIA-RDP69B00041R001600010039-9  
FULL PRESSURE SUIT TEST LOG

SUBJECT # 46  
SUIT # -3  
OUTER GARMENT W/FLOAT GEAR -3  
HELMET # -2  
GLOVES # -3  
BOOTS ~~1052-1~~ 1052-1

FLIGHT DATE 26 Jan 68  
DON 10:00  
DOFF 1135  
TIME IN SUIT 1+35  
TECHNICIAN

25X1A

PRESS-TO-TEST

PRE-FLIGHT

SUBJECT TEST

POSTFLIGHT

SYSTEM #1

Max Pressure

Differential

Leak Rate

SYSTEM #2

Max Pressure

Differential

Leak Rate

Unpress Leak Rate

Face Heat

Comm and Cord

Pencils

Knife

Controller Number

Packet

Grease Zippers

Check Location of CO<sub>2</sub>

Pressure Tap Screws

118  
1.4  
750

116  
1.4  
600  
450

✓OK  
✓  
✓  
✓

71  
✓  
✓  
✓

106  
1.2  
800

114  
1.2  
500  
450

✓  
✓  
✓  
✓

120  
1.4  
800

116  
1.4  
600  
600

✓  
✓  
✓  
✓

PRESSURE SUIT HOOK-UP CHECKLIST

1. ☒ Packet in pocket.
2. ☒ Stirrups secured.
3. ☒ Foot rest guards over seat foot rests.
4. ☒ Communications secured and functioning.
5. ☒ Face heat ON (LOW).
6. ☒ Oxygen hoses secured in QD.
7. ☒ Three harness snaps secured - harness adjusted and surplus stowed.
8. ☒ Kit adjusted and surplus stowed.
9. ☒ Two (2) bailout hoses secured.
10. ☒ Lap belt, shoulder harness, key, secured and adjusted. (VELCRO TAPE SECURED)
11. ☒ Oxygen hoses under right leg strap, chest strap under helmet hold-down.
12. ☒ Emergency oxygen lanyard secured and pin removed.
13. ☒ Green apple secured.
14. ☒ Red knob secured, guard removed.
15. ☒ Manual over-ride handle secured.
16. ☒ Two (2) Rocket-Jet releases secured.
17. ☒ Press-to-test both O2 Systems, (LOW pressure-#1 Sys 60/70 #2 Sys 60/70 ).
18. ☒ Check face heat.
19. ☒ Re-adjust lap belt.
20. ☒ Kit lanyard secured to D-Ring, under Lap Belt.
21. Parachute beacon; AUTOMATIC (☒) , UNSNAPPED (☒) , SNAPPED ( ).
  
22. Departing LOX quantity, #1 System 9.0 #2 System 9.0 TIME 10:30.
  
23. Returning LOX quantity, #1 System 9. #2 System 9. TIME 1150.

SUBJECT 1046 AIRCRAFT NUMBER 127  
TECHNICIAN  DATE OF FLIGHT 26 JAN 68

25X1A

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE:

- ✓1. Ripcord pins seated (main and first stage).
- ✓2. Check power cable linkage.
- ✓3. Pack opening elastics secured.
- ✓4. First stage jettison mated and pins secured.
- ✓5. Two (2) rocket jet units secured.
- ✓6. Manual over ride handle secured.
- ✓7. Green apple secured.
- ✓8. Red knob secured, guard installed.
- ✓9. Bailout hoses adjusted for HIGH flight.
- ✓10. Bailout hose connectors operating.
- ✓11. Bailout hose safety clip lanyard checked.
- ✓12. Harness adjusted for HIGH flight.
- ✓13. Automatic openers - triggered and reset.
- ✓14. Aneroids (sea level to 7500').
- ✓15. Bailout cylinder pins secured.
- ✓16. Bailout cylinder pressure #1 1800 #2 1800.
- ✓17. Communication cord secured to chute.
- ✓18. Visual inspection completed.
- ✓19. Faceheat battery pack checked.

SURVIVAL KIT:

- ✓1. Yellow handle secured.
- ✓2. Trigger clearance.
- ✓3. Kit disconnects secured.
- ✓4. Lid secured.
- ✓5. Visual condition.

INSTALLATION:

- ✓1. Shoulder harness installed.
- ✓2. Vent hose secured at disconnect.
- ✓3. Kit secured to chute, loose.
- ✓4. Emergency oxygen lanyard secured to chute with pin installed.
- ✓5. Communication cord secured at disconnect.
- ✓6. Vent hose secured to chute.
- ✓7. Pin secured in QD and safetied.
- ✓8. Oxygen system low pressure #1 10/80 #2 90/100.
- ✓9. Pip pin in "D" ring.
- ✓10. Stirrup cables extended and operating freely.
- ✓11. Foot rest guards over seat foot rest.

SUBJECT# 1046 AIRCRAFT # 127 PARACHUTE # 139 SEAT KIT # 46 25X1A  
TYPE CUSHION S/B DATE 26 JAN 68 VENT HOSE # 71 TECHNICIAN

SUBJECT # 52  
SUIT # -4  
OUTER GARMENT W/FLOAT GEAR -4  
HELMET # -4  
GLOVES # -5  
BOOTS ~~4~~ - 2

FLIGHT DATE 26 JAN 68  
DON 09:00  
DOFF ~~1135~~ 1425  
TIME IN SUIT ~~2435~~ 5125  
TECHNICIAN

25X1A

<u>PRESS-TO-TEST</u>	<u>PRE-FLIGHT</u>	<u>SUBJECT TEST</u>	<u>POSTFLIGHT</u>
<u>SYSTEM #1</u>			
Max Pressure	<u>116</u>	<u>120</u>	<u>120</u>
Differential	<u>1.4</u>	<u>1.4</u>	<u>1.4</u>
Leak Rate	<u>400</u>	<u>650</u>	<u>700</u>
<u>SYSTEM #2</u>			
Max Pressure	<u>118</u>	<u>120</u>	<u>116</u>
Differential	<u>1.4</u>	<u>1.3</u>	<u>1.4</u>
Leak Rate	<u>500</u>	<u>700</u>	<u>300</u>
Unpress Leak Rate	<u>350</u>	<u>350</u>	<u><del>500</del> 300</u>
Face Heat	<u>OK</u>		
Commo and Cord	<u>✓</u>		
Pencils	<u>✓</u>		
Knife	<u>✓</u>		
Controller Number	<u>76</u>		
Packet	<u>✓</u>		
Grease Zippers	<u>✓</u>		
Check Location of CO <sub>2</sub>	<u>✓</u>		
Pressure Tap Screws		<u>✓</u>	

PRESSURE SUIT HOOK-UP CHECKLIST

1. ✓ Packet in pocket.
2. ✓ Stirrups secured.
3. ✓ Foot rest guards over seat foot rests.
4. ✓ Communications secured and functioning.
5. ✓ Face heat ON (LOW).
6. ✓ Oxygen hoses secured in QD.
7. ✓ Three harness snaps secured - harness adjusted and surplus stowed.
8. ✓ Kit adjusted and surplus stowed.
9. ✓ Two (2) bailout hoses secured.
10. ✓ Lap belt, shoulder harness, key, secured and adjusted. (VELCRO TAPE SECURED)
11. ✓ Oxygen hoses under right leg strap, chest strap under helmet hold-down.
12. ✓ Emergency oxygen lanyard secured and pin removed.
13. ✓ Green apple secured.
14. ✓ Red knob secured, guard removed.
15. ✓ Manual over-ride handle secured.
16. ✓ Two (2) Rocket-Jet releases secured.
17. ✓ Press-to-test both O2 Systems, (LOW pressure-#1 Sys 75/70 #2 Sys 70/85 ).
18. ✓ Check face heat.
19. ✓ Re-adjust lap belt.
20. ✓ Kit lanyard secured to D-Ring, under Lap Belt.
21. ✓ Parachute beacon; AUTOMATIC ☒, UNSNAPPED ☒, SNAPPED ( ).
22. Departing LOX quantity, #1 System 9 #2 System 9 TIME 09.29.
23. Returning LOX quantity, #1 System 8.25 #2 System 8.25 TIME 1420.

SUBJECT 1052 AIRCRAFT NUMBER 131

TECHNICIAN  DATE OF FLIGHT 26 JAN 68

25X1A

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE:

- ✓1. Ripcord pins seated (main and first stage).
- ✓2. Check power cable linkage.
- ✓3. Pack opening elastics secured.
- ✓4. First stage jettison mated and pins secured.
- ✓5. Two (2) rocket jet units secured.
- ✓6. Manual over ride handle secured.
- ✓7. Green apple secured.
- ✓8. Red knob secured, guard installed.
- ✓9. Bailout hoses adjusted for HIGH flight.
- ✓10. Bailout hose connectors operating.
- ✓11. Bailout hose safety clip lanyard checked.
- ✓12. Harness adjusted for HIGH flight.
- ✓13. Automatic openers - triggered and reset.
- ✓14. Aneroids (sea level to 7500').
- ✓15. Bailout cylinder pins secured.
- ✓16. Bailout cylinder pressure #1 1800 #2 1800.
- ✓17. Communication cord secured to chute.
- ✓18. Visual inspection completed.
- ✓19. Faceheat battery pack checked.

SURVIVAL KIT:

- ✓1. Yellow handle secured.
- ✓2. Trigger clearance.
- ✓3. Kit disconnects secured.
- ✓4. Lid secured.
- ✓5. Visual condition.

S.H. #5  
L-P #2

INSTALLATION:

- ✓1. Shoulder harness installed.
- ✓2. Vent hose secured at disconnect.
- ✓3. Kit secured to chute, loose.
- ✓4. Emergency oxygen lanyard secured to chute with pin installed.
- ✓5. Communication cord secured at disconnect.
- ✓6. Vent hose secured to chute.
- ✓7. Pin secured in QD and safetied.
- ✓8. Oxygen system low pressure #1 60/70 #2 65/75.
- ✓9. Pip pin in "D" ring.
- ✓10. Stirrup cables extended and operating freely.
- ✓11. Foot rest guards over seat foot rest.

SUBJECT# 1052 AIRCRAFT # 131 PARACHUTE # 124 SEAT KIT # 52

TYPE CUSHION S/B DATE 26 JAN 68 VENT HOSE # 76 TECHNICIAN

25X1A

PHYSIOLOGICAL SUPPORT DEBRIEFING

25X1A

DATE 26 Jan 68 ACFT 131 PILOT TIME IN FLIGHT 4+10 TIME IN SUIT 5+30 PREBREATHING TIME 1+00

SATISFACTORY

UNSATISFACTORY

1. PHYSICAL CONDITION (PILOT)

2. SURVIVAL KIT AND CUSHION <sup>#52</sup> S/B3. PARACHUTE S/N 1244. HELMET - 4

A. REFLECTIONS

B. FACE HEAT -

C. COMMUNICATIONS

5. SUIT PROPER - 4

A. CABIN DECOMPRESSION: YES

NO

6. OUTER GARMENT - 47. BOOTS AND SPURS, <sup>-1052-2</sup> Q.D. Type8. GLOVES - 5

9. OXYGEN SYSTEM

25X1A

DEPART

RETURN

TIME

AMT

TIME

AMT

#1 0929 9. 1420 8.25#2 0929 9. 1420 8.25

10. MISCELLANEOUS

11. EVALUATION ITEMS

A.

B.

C.

D.

E.

12. REMARKS: (EXPLAIN UNSATISFACTORY REPORT)

PHYSIOLOGICAL SUPPORT DEBRIEFING

25X1A

DATE 26 JAN 68 ACFT 131 PILOT TIME IN FLIGHT 4+10 TIME IN SUIT 5+30 PREBREATHING TIME 1+00

SATISFACTORY

UNSATISFACTORY

1. PHYSICAL CONDITION (PILOT)

2. SURVIVAL KIT AND CUSHION <sup>#52</sup> S/B3. PARACHUTE S/N 1244. HELMET - 4

A. REFLECTIONS

B. FACE HEAT -

C. COMMUNICATIONS

5. SUIT PROPER - 4

A. CABIN DECOMPRESSION: YES

NO6. OUTER GARMENT - 4  
- 1052-27. BOOTS AND SPURS, Q.D. Type8. GLOVES - 5

9. OXYGEN SYSTEM

DEPART

RETURN

TIME	AMT	TIME	AMT
#1 0929	9.	1420	8.25
#2 0929	9.	1420	8.25

10. MISCELLANEOUS

11. EVALUATION ITEMS

A.

B.

C.

D.

E.

12. REMARKS: (EXPLAIN UNSATISFACTORY REPORT)